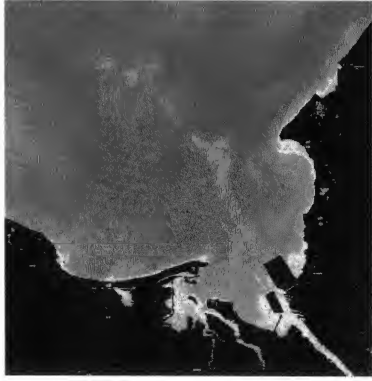


Figure 2  
LANDSAT 7 TM Natural Color (Rt.) and Total Coliform (Left, Aug. 21,  
2001 Model) Images (Redder is Greater) of SW Lake Erie (July 1, 2000  
LANDSAT TM Data)

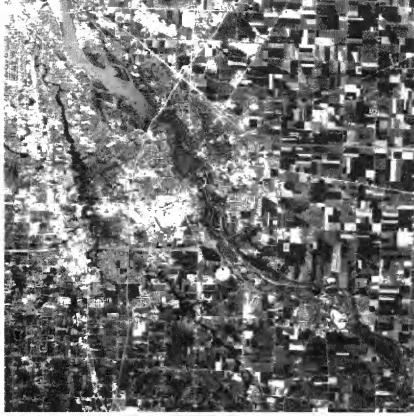
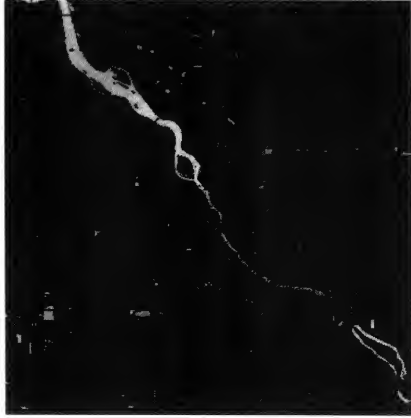


## Figure 3

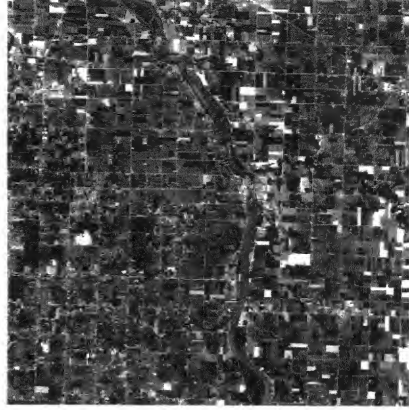
Coliform Mapping (Red means more) from LANDSAT TM: Subarea 2,  
Maumee Bay (Toledo and Maumee, OH)



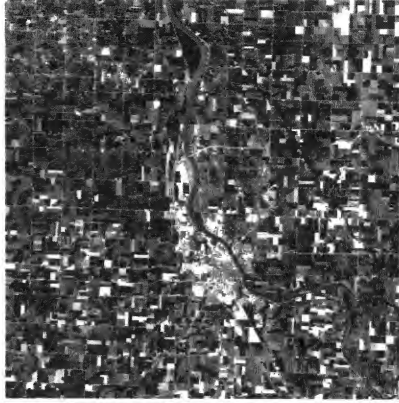
Coliform Mapping (Red means more) from LANDSAT TM: Subarea 3,  
Upper Maumee (Waterville, OH)



Coliform Mapping (Red means more) from LANDSAT TM: Subarea 4,  
Low. Mid. Maumee (Grand Rapids, OH)



Coliform Mapping (Red means more) from LANDSAT TM: Subarea 5,  
Up. Mid. Maumee (Napoleon, OH)



Coliform Mapping (Red means more) from LANDSAT TM: Subarea 6,  
Lower Maumee (Defiance, OH)



Coliform Mapping (Red means more) from LANDSAT TM: Sandusky

Bay, with Portage River in Image Center



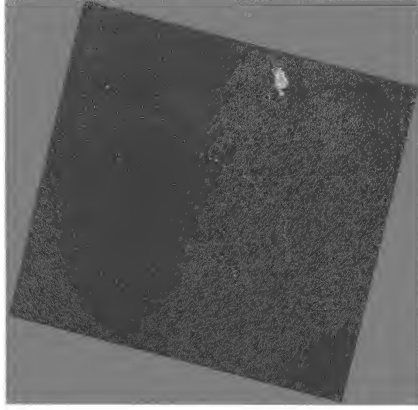
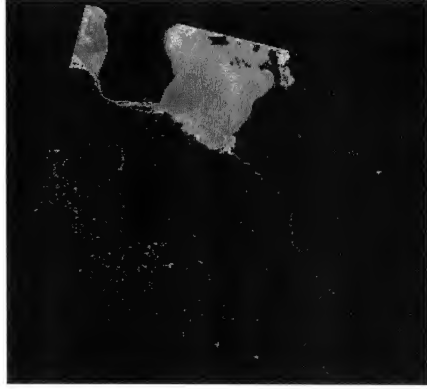
## Figure 9

Coliform Mapping (Red means more) from LANDSAT TM: Subarea 7,  
Oak Harbor, OH on the Portage River





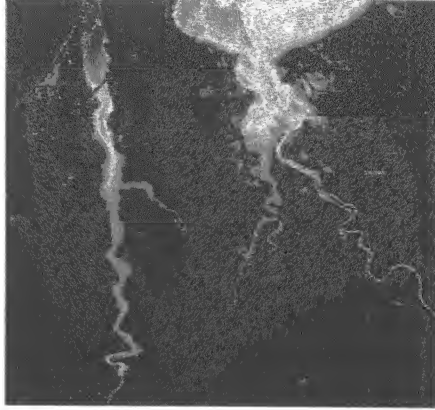
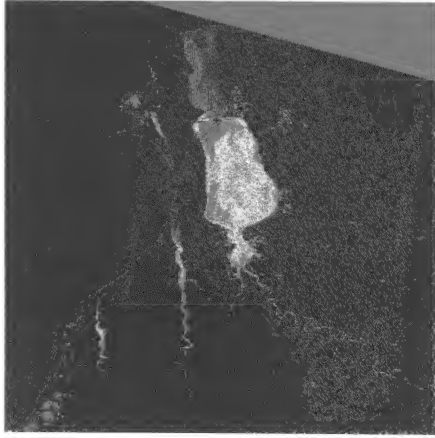
Total Coliform (Left) and E. Coli (Right) Models of Aug. 21, 2001 from Lake Erie and Oregon, OH Data Applied to LANDSAT TM Data of Same Date



## Figure 15

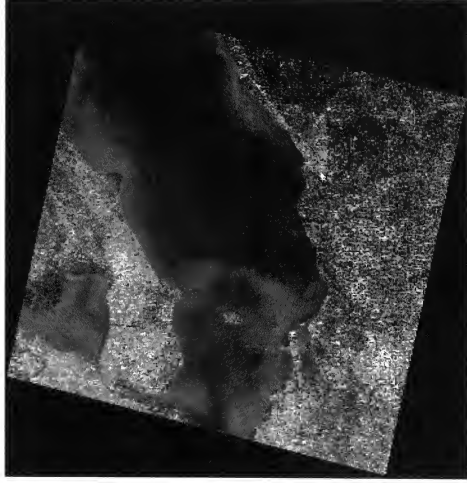
Zoomed E. Coli Images of Portage and Sandusky Rivers of Aug. 21, 2001

LANDSAT TM Data



Natural Color Image of Lake Erie on

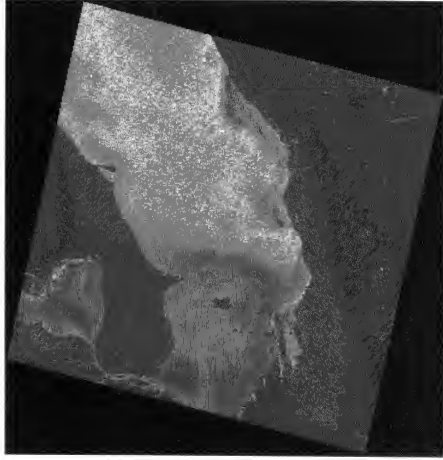
16 July 2002 (Including Cleveland, Ohio)



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Coliform Bacteria  
(16 July 2002 Overpass,  
21 August 2001 Model)

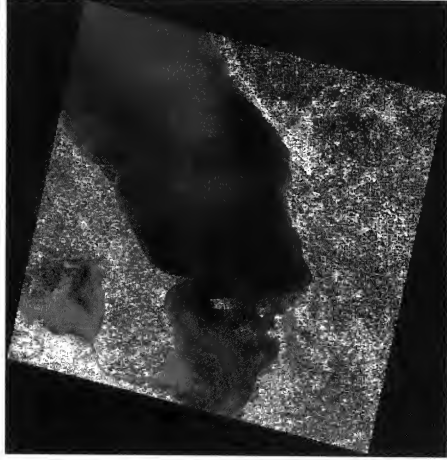
Figure 17



| Color        | Coliform Bacterial Colonies<br>Per 1 ml of Water |
|--------------|--|
| Red          | 210-1060   |
| Yellow       | 173-209  |
| Yellow-green | 110-134  |
| Blue-Green   | 60-109   |
| Blue         | 1-59   |
| Darkest Blue | 0 (Land)   |

Figure 18

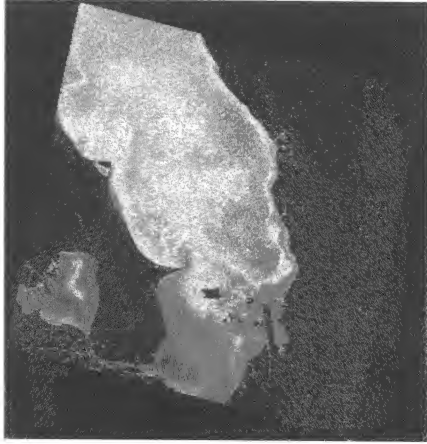
Natural Color Image of P. 19, R. 31 for 2 August 2002 L7 Overpass



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Bowling Green State University

## Figure 19

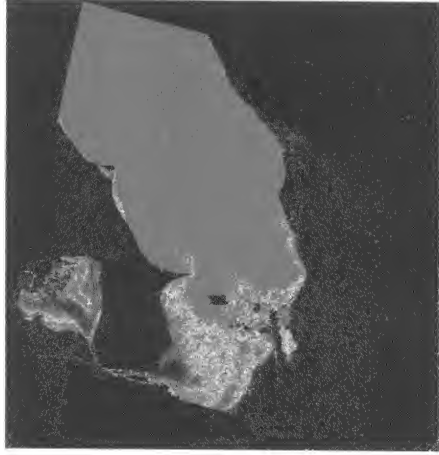
Coliform Bacteria  
August 2, 2002 Overpass  
(21 August 2001 Model)



| Color         | Coliform Bacterial Colonies<br>Per 1 ml of Water |
|---------------|--|
| Red           | 401-1710   |
| Yellow-Orange | 231-400  |
| Yellow-green  | 202-230  |
| Blue-Green    | 104-201  |
| Blue          | 1-103  |
| Darkest Blue  | 0 (Land)   |

## Figure 20

Coliform Bacteria for 2 August 2002 Overpass (16 July 2002 Stretch)



| Color        | Coliform Bacterial Colonies<br>Per 1 ml of Water |
|--------------|--|
| Red          | 210-1060   |
| Yellow       | 173-209  |
| Yellow-green | 110-134  |
| Blue-Green   | 60-109   |
| Blue         | 1-59   |
| Darkest Blue | 0 (Land)   |

## Figure 21

Coliform Bacteria for July 16, 2002 (Left) and August 2, 2002 (Right)  
Overpasses, Path 20-Row 31  
(21 August 2001 Model; red represents  
210-1710 colonies/ml in both images)

